

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 12:16:23 ON 14 OCT 2009

=> fil .bec

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.22

0.22

FILES 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS, NTIS,  
ESBIOBASE, BIOTECHNO, WPIDS' ENTERED AT 12:17:02 ON 14 OCT 2009  
ALL COPYRIGHTS AND RESTRICTIONS APPLY. SEE HELP USAGETERMS FOR DETAILS.

11 FILES IN THE FILE LIST

=> s alpha(w)amylase# and bacillus and (muta? or variant#)

FILE 'MEDLINE'

673551 ALPHA

24546 AMYLASE#

6149 ALPHA(W)AMYLASE#

61568 BACILLUS

652014 MUTA?

148970 VARIANT#

L1 236 ALPHA(W)AMYLASE# AND BACILLUS AND (MUTA? OR VARIANT#)

FILE 'SCISEARCH'

992217 ALPHA

22303 AMYLASE#

10367 ALPHA(W)AMYLASE#

69014 BACILLUS

647330 MUTA?

174018 VARIANT#

L2 376 ALPHA(W)AMYLASE# AND BACILLUS AND (MUTA? OR VARIANT#)

FILE 'LIFESCI'

234306 ALPHA

6049 AMYLASE#

3573 ALPHA(W)AMYLASE#

36289 BACILLUS

312912 MUTA?

58664 VARIANT#

L3 159 ALPHA(W)AMYLASE# AND BACILLUS AND (MUTA? OR VARIANT#)

FILE 'BIOTECHDS'

38177 ALPHA

6973 AMYLASE#

4506 ALPHA(W)AMYLASE#

21805 BACILLUS

54015 MUTA?

19711 VARIANT#

L4 316 ALPHA(W)AMYLASE# AND BACILLUS AND (MUTA? OR VARIANT#)

FILE 'BIOSIS'

866342 ALPHA

36303 AMYLASE#

12773 ALPHA(W)AMYLASE#

101546 BACILLUS

718494 MUTA?

155974 VARIANT#

L5 297 ALPHA(W)AMYLASE# AND BACILLUS AND (MUTA? OR VARIANT#)

FILE 'EMBASE'  
 760485 ALPHA  
 19248 AMYLASE#  
 4290 ALPHA(W)AMYLASE#  
 45768 BACILLUS  
 555262 MUTA?  
 130584 VARIANT#  
 L6 167 ALPHA(W)AMYLASE# AND BACILLUS AND (MUTA? OR VARIANT#)

FILE 'HCAPLUS'  
 1879819 ALPHA  
 54850 AMYLASE#  
 23466 ALPHA(W)AMYLASE#  
 113641 BACILLUS  
 668083 MUTA?  
 150168 VARIANT#  
 L7 599 ALPHA(W)AMYLASE# AND BACILLUS AND (MUTA? OR VARIANT#)

FILE 'NTIS'  
 29777 ALPHA  
 173 AMYLASE#  
 67 ALPHA(W)AMYLASE#  
 1917 BACILLUS  
 11033 MUTA?  
 5138 VARIANT#  
 L8 1 ALPHA(W)AMYLASE# AND BACILLUS AND (MUTA? OR VARIANT#)

FILE 'ESBIOBASE'  
 318957 ALPHA  
 6580 AMYLASE#  
 3195 ALPHA(W)AMYLASE#  
 25702 BACILLUS  
 358138 MUTA?  
 70044 VARIANT#  
 L9 115 ALPHA(W)AMYLASE# AND BACILLUS AND (MUTA? OR VARIANT#)

FILE 'BIOTECHNO'  
 189431 ALPHA  
 4194 AMYLASE#  
 2130 ALPHA(W)AMYLASE#  
 19958 BACILLUS  
 242571 MUTA?  
 41198 VARIANT#  
 L10 108 ALPHA(W)AMYLASE# AND BACILLUS AND (MUTA? OR VARIANT#)

FILE 'WPIDS'  
 227753 ALPHA  
 11053 AMYLASE#  
 4116 ALPHA(W)AMYLASE#  
 21995 BACILLUS  
 42644 MUTA?  
 38708 VARIANT#  
 L11 189 ALPHA(W)AMYLASE# AND BACILLUS AND (MUTA? OR VARIANT#)

TOTAL FOR ALL FILES  
 L12 2563 ALPHA(W) AMYLASE# AND BACILLUS AND (MUTA? OR VARIANT#)

=> s (168 or 169 or 170 or 171 or 172 or 173 or 174) (10a) (residue# or position# or amino acid# or muta?)

FILE 'MEDLINE'  
 18857 168  
 14686 169

28132 170  
 14602 171  
 15212 172  
 14462 173  
 16533 174  
 239605 RESIDUE#  
 279011 POSITION#  
 723160 AMINO  
 1895511 ACID#  
 649895 AMINO ACID#  
           (AMINO(W)ACID#)  
 652014 MUTA?  
 L13       4583 (168 OR 169 OR 170 OR 171 OR 172 OR 173 OR 174) (10A) (RESIDUE#  
                   OR POSITION# OR AMINO ACID# OR MUTA?)

FILE 'SCISEARCH'

16894 168  
 12704 169  
 33580 170  
 12723 171  
 13476 172  
 13284 173  
 13498 174  
 261960 RESIDUE#  
 405250 POSITION#  
 471320 AMINO  
 1647984 ACID#  
 365731 AMINO ACID#  
           (AMINO(W)ACID#)  
 647330 MUTA?  
 L14       4205 (168 OR 169 OR 170 OR 171 OR 172 OR 173 OR 174) (10A) (RESIDUE#  
                   OR POSITION# OR AMINO ACID# OR MUTA?)

FILE 'LIFESCI'

4024 168  
 2677 169  
 6980 170  
 2531 171  
 2767 172  
 2517 173  
 2956 174  
 118339 RESIDUE#  
 92693 POSITION#  
 212131 "AMINO"  
 461847 ACID#  
 179584 AMINO ACID#  
           ("AMINO"(W)ACID#)  
 312912 MUTA?  
 L15       2771 (168 OR 169 OR 170 OR 171 OR 172 OR 173 OR 174) (10A) (RESIDUE#  
                   OR POSITION# OR AMINO ACID# OR MUTA?)

FILE 'BIOTECHDS'

1401 168  
 761 169  
 1887 170  
 818 171  
 821 172  
 772 173  
 873 174  
 30392 RESIDUE#  
 19176 POSITION#  
 84588 AMINO

182830 ACID#  
78739 AMINO ACID#  
(AMINO(W)ACID#)  
54015 MUTA?  
L16 1719 (168 OR 169 OR 170 OR 171 OR 172 OR 173 OR 174) (10A) (RESIDUE#  
OR POSITION# OR AMINO ACID# OR MUTA?)

FILE 'BIOSIS'

17730 168  
12696 169  
28858 170  
12140 171  
13175 172  
12244 173  
15198 174  
291597 RESIDUE#  
301673 POSITION#  
638433 AMINO  
1807875 ACID#  
490641 AMINO ACID#  
(AMINO(W)ACID#)  
718494 MUTA?  
L17 4991 (168 OR 169 OR 170 OR 171 OR 172 OR 173 OR 174) (10A) (RESIDUE#  
OR POSITION# OR AMINO ACID# OR MUTA?)

FILE 'EMBASE'

14413 168  
11701 169  
23123 170  
10728 171  
11379 172  
10718 173  
11806 174  
206857 RESIDUE#  
241614 POSITION#  
510899 AMINO  
1732184 ACID#  
382083 AMINO ACID#  
(AMINO(W)ACID#)  
555262 MUTA?  
L18 3902 (168 OR 169 OR 170 OR 171 OR 172 OR 173 OR 174) (10A) (RESIDUE#  
OR POSITION# OR AMINO ACID# OR MUTA?)

FILE 'HCAPLUS'

47113 168  
31909 169  
142898 170  
30998 171  
36913 172  
32771 173  
35597 174  
754567 RESIDUE#  
678235 POSITION#  
1241282 AMINO  
5455172 ACID#  
795705 AMINO ACID#  
(AMINO(W)ACID#)  
668083 MUTA?  
L19 8348 (168 OR 169 OR 170 OR 171 OR 172 OR 173 OR 174) (10A) (RESIDUE#  
OR POSITION# OR AMINO ACID# OR MUTA?)

FILE 'NTIS'

1367 168  
983 169  
3372 170  
1003 171  
1121 172  
1333 173  
1086 174  
11697 RESIDUE#  
54327 POSITION#  
7376 AMINO  
58108 ACID#  
5449 AMINO ACID#  
          (AMINO(W)ACID#)  
11033 MUTA?  
L20      69 (168 OR 169 OR 170 OR 171 OR 172 OR 173 OR 174) (10A) (RESIDUE#  
          OR POSITION# OR AMINO ACID# OR MUTA?)

FILE 'ESBIOBASE'

6499 168  
4763 169  
10455 170  
4522 171  
5020 172  
4634 173  
5066 174  
140437 RESIDUE#  
106166 POSITION#  
224506 AMINO  
528122 ACID#  
196249 AMINO ACID#  
          (AMINO(W)ACID#)  
358138 MUTA?  
L21      2993 (168 OR 169 OR 170 OR 171 OR 172 OR 173 OR 174) (10A) (RESIDUE#  
          OR POSITION# OR AMINO ACID# OR MUTA?)

FILE 'BIOTECHNO'

2509 168  
1821 169  
4814 170  
1689 171  
1867 172  
1729 173  
1973 174  
96204 RESIDUE#  
55352 POSITION#  
204625 AMINO  
371908 ACID#  
173749 AMINO ACID#  
          (AMINO(W)ACID#)  
242571 MUTA?  
L22      2629 (168 OR 169 OR 170 OR 171 OR 172 OR 173 OR 174) (10A) (RESIDUE#  
          OR POSITION# OR AMINO ACID# OR MUTA?)

FILE 'WPIDS'

9524 168  
3424 169  
69189 170  
8592 171  
10384 172  
5183 173  
7488 174  
239773 RESIDUE#

```

1864251 POSITION#
333972 AMINO
1315654 ACID#
125331 AMINO ACID#
      (AMINO(W)ACID#)
42644 MUTA?
L23      3420 (168 OR 169 OR 170 OR 171 OR 172 OR 173 OR 174) (10A) (RESIDUE#
      OR POSITION# OR AMINO ACID# OR MUTA?)

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TOTAL FOR ALL FILES

```

L24      39630 (168 OR 169 OR 170 OR 171 OR 172 OR 173 OR 174) (10A) (RESIDUE#
      OR POSITION# OR AMINO ACID# OR MUTA?)

```

=> s l12 and l24

FILE 'MEDLINE'

```

L25      4 L1 AND L13

```

FILE 'SCISEARCH'

```

L26      5 L2 AND L14

```

FILE 'LIFESCI'

```

L27      2 L3 AND L15

```

FILE 'BIOTECHDS'

```

L28      8 L4 AND L16

```

FILE 'BIOSIS'

```

L29      2 L5 AND L17

```

FILE 'EMBASE'

```

L30      2 L6 AND L18

```

FILE 'HCAPLUS'

```

L31      9 L7 AND L19

```

FILE 'NTIS'

```

L32      0 L8 AND L20

```

FILE 'ESBIOBASE'

```

L33      0 L9 AND L21

```

FILE 'BIOTECHNO'

```

L34      2 L10 AND L22

```

FILE 'WPIDS'

```

L35      6 L11 AND L23

```

TOTAL FOR ALL FILES

```

L36      40 L12 AND L24

```

=> dup rem l36

PROCESSING COMPLETED FOR L36

```

L37      23 DUP REM L36 (17 DUPLICATES REMOVED)

```

=> d 1-2

```

L37      ANSWER 1 OF 23  BIOTECHDS COPYRIGHT 2009 THOMSON REUTERS on STN
TI       New nucleic acid encodes Bacillus licheniformis alpha
      -amylase variant, useful for laundry washing,
      dishwashing, textile desizing, processing a starch, hydrolyzing a
      biofilm, saccharifying starch, liquefying a starch, and baking;
      recombinant protein produced by vector mediated gene expression in

```

host cell, useful in baking and textile industry  
AU AEHLE W; AMIN N S  
AN 2009-01435 BIOTECHDS  
PI WO 2008153805 18 Dec 2008

L37 ANSWER 2 OF 23 SCISEARCH COPYRIGHT (c) 2009 The Thomson Corporation on  
STN  
TI Functional similarities of a thermostable protein-disulfide oxidoreductase  
identified in the archaeon Pyrococcus horikoshii to bacterial DsbA enzymes  
SO EXTREMOPHILES, (JAN 2007) Vol. 11, No. 1, pp. 85-94.  
ISSN: 1431-0651.  
AU Tozawa, Yuzuru (Reprint); Kuroita, Toshihiro; Kanno, Takuya; Kawai,  
Atsushi; Kawakami, Bunsei; Oka, Masanori; Endo, Yaeta  
AN 2007:260759 SCISEARCH

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

45.07

45.29

STN INTERNATIONAL LOGOFF AT 12:25:28 ON 14 OCT 2009